In the Claims:

1.   (Currently Amended) A method for wireless local area network throughput enhancement, ~~the method~~ comprising:

    providing an access point in a wireless computer network transmitting data packets over radio frequency signals;

    providing an endpoint station, receiving said data packets, in a wireless computer network;

    emulating an acknowledgment signal transmitted between said access point and said station by

        compressing information conveyed in TCP/IP packets,

        appending said information to said data packets for transmission,

        extracting said information after reception of said data packets, and

        recreating said acknowledgment signal from said extracted information;

    reordering said data packets into a megapacket in said access point using concatenation of said data packets; and

    transmitting said megapacket to said station.

2.   (Canceled)

3.   (New) The method of claim 1, wherein the concatenation comprises concatenating multiple MPDUs in a single 802.11 packet.

4.   (New) The method of claim 1, wherein the concatenation comprises 4x concatenation.

5.   (New) The method of claim 1, wherein the method is performed when the wireless local area network is in an ad-hoc mode.

6.   (New) The method of claim 1, wherein the method is performed when the wireless local area network is in an infrastructure mode.

7.   (New) The method of claim 1, wherein the method is performed in an 802.11 environment.

8.   (New) The method of claim 1, wherein the emulating is implemented in a software module independent of the operating system.

9.   (New) The method of claim 1, wherein the emulating is performed in accordance with an emulation algorithm.

10.   (New) The method of claim 9, wherein the emulation algorithm is implemented in two segments of the wireless local area network.

11.   (New) The method of claim 10, wherein the two segments are not in synchronization.

12.   (New) The method of claim 9, wherein the emulation algorithm is activated based upon a determination that the wireless local area network is a throughput bottleneck.

13.   (New) The method of claim 1, wherein the reordering is activated when another station on the wireless network transmits an information element in association with a request.

14.   (New) The method of claim 13, wherein the information element is transported in a robust security information element.